

## **California Weather-Hydro Conditions during August 2017**

As of August 31, 2017, statewide hydrologic conditions were as follows: precipitation, 165 percent of average to date; runoff, 215 percent of average to date; and reservoir storage, 120 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2017, observed through August 31, 2017 was about 37.5 million acre-feet (MAF), which is about 215 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through August 31, 2016 was about 17.2 MAF, or about 98 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2017, observed through August 31, 2017 was about 17.8 MAF, which is about 258 percent of average. In comparison to Water Year 2016, the observed San Joaquin River Region unimpaired runoff through August 31, 2016 was about 6.1 MAF, or about 88 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2017, observed through August 31, 2017 was about 7.2 MAF, which is about 241 percent of average. In comparison to Water Year 2016, the observed Tulare Lake Region unimpaired runoff through August 31, 2016 was about 2.0 MAF, or about 66 percent of average.

On August 31, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 94.3 inches, which is about 192 percent of the seasonal average to date and 188 percent of an average water year (50.0 inches). During August, the total precipitation for the 8-Stations was 0.1 inches, or about 33 percent of average for the month. Last year on August 31, 2016, the Water Year 2016 seasonal total for the 8-Stations was 57.8 inches, or about 118 percent of average.

On August 31, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 71.8 inches, which is about 179 percent of the seasonal average to date and 176 percent of an average water year (40.7 inches). During August, the total precipitation for the 5-Stations was 0.3 inches, or about 150 percent of average for the month. Last year on August 31, 2016, the Water Year 2016 seasonal total for the 5-Stations was 40.0 inches, or about 100 percent of average.

On August 31, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 46.4 inches, which is about 161 percent of the seasonal average to date and 158 percent of an average water year (29.2 inches). During August, the total precipitation for the 6-Stations was 0.2 inches, or about 100 percent of average for the month. Last year on August 31, 2016, the Water Year 2016 seasonal total for the 6-Stations was 25.8 inches, or about 90 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 08/31/2017					
Station	Water Year 2017 to Aug 31 2017	% Average	Water Year 2016 to Aug 31, 2016	% Average	WY 2017 % of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	59.52	139	40.93	95	136
Eureka	51.51	130	44.01	111	128
Redding	45.64	134	37.30	110	132
South Lake Tahoe	47.70	242	22.13	112	234
Sacramento Executive Airport	32.97	181	16.14	89	178
Santa Rosa (Sonoma Co AP)	58.21	162	30.43	85	160
San Francisco	32.07	137	22.16	95	136
Stockton	21.63	157	16.60	121	154
Yosemite	74.45	199	36.07	97	196
Monterey	24.20	152	21.54	135	150
Paso Robles	14.19	113	7.37	59	111
Fresno	17.20	152	14.33	126	150
Bakersfield	7.80	122	5.44	85	121
Death Valley	1.41	66	1.68	78	60
Los Angeles	17.69	120	6.35	43	118
Riverside	11.94	98	5.17	43	96
Palm Springs	7.75	144	2.50	47	135
San Diego	12.27	120	7.73	76	119

Key Reservoir Storage (1,000 AF) as of 08/31/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,887	1,803	105	2,448	77	---	561
Shasta Lake	Sacramento	3,627	2,878	126	4,552	80	-926	925
Lake Oroville	Feather	1,704	2,318	74	3,538	48	-1,834	1,834
New Bullards Bar Res	Yuba	726	653	111	966	75	-240	240
Folsom Lake	American	778	611	127	977	80	-199	199
New Melones Res	Stanislaus	2,045	1,387	147	2,400	85	-375	375
Don Pedro Res	Tuolumne	1,797	1,436	125	2,030	89	-233	233
Lake McClure	Merced	875	564	155	1,025	85	-149	150
Millerton Lake	San Joaquin	409	236	173	520	79	-112	111
Pine Flat Res	Kings	713	378	189	1,000	71	-287	287
Isabella	Kern	242	216	112	568	43	-119	326
San Luis Res	(Offstream)	1,837	858	214	2,041	90	---	202

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for September 2017, issued August 31, 2017, suggests average precipitation for all of California, except the northeastern portion of the State where above-average precipitation is expected.